

Title (en)
INTERFERENCE FILTER FILM FOR DISPLAY APPLICATIONS

Title (de)
INTERFERENZFILTERFOLIE FÜR ANZEIGEANWENDUNGEN

Title (fr)
FILM DE FILTRAGE D'INTERFÉRENCES POUR APPLICATIONS D'AFFICHAGE

Publication
EP 3377937 A1 20180926 (EN)

Application
EP 16867097 A 20161117

Priority
• US 201562257129 P 20151118
• US 2016062413 W 20161117

Abstract (en)
[origin: WO2017087604A1] An optical filter for a display includes a filter film with at least one optical filter layer. The filter layer blocks a band of optical wavelengths and is transparent for optical wavelengths outside the band. The filter film has a thickness within the range of 25 microns through 1 mm. The filter film may include one or more laminate layers that are optically transparent in the wavelengths of the band blocked by the filter layer. The filter film may include one or more layers of liquid crystal polymers in layered contact with one or more transparent electrode layers and one or more layers of polymers in layered contact with the one or more layers of liquid crystal polymers.

IPC 8 full level
G02F 1/1335 (2006.01); **G02F 1/01** (2006.01); **G02F 1/13** (2006.01); **G02F 1/133** (2006.01); **G02F 1/1347** (2006.01)

CPC (source: EP KR US)
G02F 1/133308 (2013.01 - EP US); **G02F 1/133365** (2013.01 - EP US); **G02F 1/1335** (2013.01 - KR); **G02F 1/133509** (2013.01 - EP US); **G02F 1/133514** (2013.01 - US); **G02F 1/1347** (2013.01 - KR US); **G02F 1/13473** (2013.01 - EP US); **G02B 5/286** (2013.01 - US); **G02F 1/133331** (2021.01 - EP US); **G02F 1/133521** (2021.01 - EP US); **G02F 2203/055** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2017087604 A1 20170526; CA 3003778 A1 20170526; EP 3377937 A1 20180926; EP 3377937 A4 20191106; JP 2019502172 A 20190124; JP 6924771 B2 20210825; KR 20180072816 A 20180629; US 11347098 B2 20220531; US 2018341146 A1 20181129

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US 2016062413 W 20161117; CA 3003778 A 20161117; EP 16867097 A 20161117; JP 2018545128 A 20161117; KR 20187015109 A 20161117; US 201615775192 A 20161117